



PATENTS
112025-0195

#10

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:)
Thomas J. Edsall et al.)
Serial No.: 09/593,566)
Filed: August 16, 2000)
For: MULTIPLE PACKET PATHS)
TO IMPROVE RELIABILITY)
IN AN IP NETWORK)

Examiner: Not Yet Assigned

Art Unit: 2661



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MAR 12 2001

OFFICE OF PETITIONS

Cesari and McKenna, LLP
88 Black Falcon Avenue
Boston, MA 02210
March 1, 2001

"Express Mail" Mailing-Label Number: EL 605 362 060 US

Honorable Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

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APR 11 2001
Technology Center 2600

SECOND PETITION TO THE COMMISSIONER UNDER 37 C.F.R. 1.181

INTRODUCTION

This petition is filed to request that the Commissioner find that the declaration has been properly filed and that the application filing date is June 14, 2000.

FACTS

June 14, 2000: Filed on June 14, 2000, with the application was a fully executed declaration and an assignment with an appropriate recordation cover sheet.

03/07/2001 MBERHE 00000054 09593566

01 FC:122

130.00 OP

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July 5, 2000: On July 5, 2000 the post card evidencing filing of the application was received, and the post card had a stamp on it by the USPTO stating, "The PTO did not receive the following listed items: specification (27 pages) and assignment."

August 16, 2000: On August 16, 2000 a substitute specification, drawings, assignment with recordation cover sheet and a copy of the post card dated June 14, 2000 was filed in response to the notice on the post card, and also a response to the note on the post card was filed.

August 14, 2000: On August 14, 2000 a NOTICE OF INCOMPLETE NON-PROVISIONAL APPLICATION was mailed by the USPTO, and was received by applicants on August 21, 2000.

November 6, 2000: On November 6, 2000 a PETITION TO THE COMMISSIONER was filed requesting that all defects mentioned in the NOTICE OF INCOMPLETE NONPROVISIONAL APPLICATION be cured.

Also on November 6, 2000, a new recordation form cover sheet along with a copy of assignment was filed with the USPTO.

December 5, 2000: On December 5, 2000 a filing receipt was mailed by the USPTO, however the filing receipt indicated a defect as follows: "Thomas J. Edsall, residence not provided". Also mailed on December 5, 2000 was a "NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION", stating that a late filing fee or oath or declaration surcharge of \$130 was not received, and is due.

December 29, 2000: Applicants filed a REQUEST TO CORRECT FILING RECEIPT, accompanied with a copy of the originally filed declaration showing that the address of Thomas J. Edsall was in fact disclosed in the originally filed declaration filed on June 14, 2000 and refiled on December 29, 2000.

January 15, 2001: On January 15, 2001, a NOTICE OF INCOMPLETE REPLY (NONPROVISIONAL) was mailed by the USPTO, and received by applicant on January 29, 2001. The NOTICE OF INCOMPLETE REPLY states "The oath or declaration is missing".

February 7, 2001: Applicants received a refusal to record an assignment mailed on November 6, 2000, citing grounds that the application was not properly identified.

A copy of applicant's first petition to the Commissioner filed November 6, 2000, is enclosed herein with all of the attachments filed therewith, except no additional copy of the application is enclosed.

REMARKS

1. Applicant respectfully requests that the Commissioner either acknowledge that the oath or declaration was received when the case was originally filed on June 14, 2000, or acknowledge that the copy of the oath or declaration, refiled on December 29, 2000 has been received and is adequate to satisfy the requirements of an oath or declaration. Another copy of oath or declaration is filed herewith.

Applicant's undersigned attorney hereby certifies that the copy of the oath or declaration filed herewith is a true copy of the oath or declaration originally filed on June 14, 2000.

2. Further, applicant requests that the Commissioner have issued a filing receipt indicating that the case is properly filed, with all necessary data included on the declaration.

3. Further, applicant respectfully requests that the Commissioner have the accompanying assignment recorded, as it is accompanied by a new recordation cover sheet.

4. Still further, applicant respectfully requests that a filing date of June 14, 2000 be assigned to the above referenced patent application, rather than the presently assigned filing date of August 16, 2000.

Enclosed is the fee of \$130 for this petition, \$40 for recordation of the enclosed assignment.

Please charge any additional fee occasioned by this paper to our Deposit Account No. 03-1237.

PATENTS
112025-0195

Respectfully submitted,

a. Sidney Johnston

A. Sidney Johnston
Reg. No. 29,548
CESARI AND MCKENNA, LLP
88 Black Falcon Avenue
Boston, MA 02210-2414
(617) 951-2500

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PATENTS
112025-0195

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:
Thomas J. Edsall et al.

Serial No.: 09/593,566

Filed: June 14, 2000

For: MULTIPLE PACKET PATHS
TO IMPROVE RELIABILITY
IN AN IP NETWORK

Examiner: Not Yet Assigned

Art Unit: Not Yet Assigned

Cesari and McKenna, LLP
88 Black Falcon Avenue
Boston, MA 02210
November 6, 2000

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"Express Mail" Mailing-Label Number: EL705755585US

Honorable Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

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PETITION TO THE COMMISSIONER

This PETITION TO THE COMMISSIONER is in response to the "Notice of Incomplete Non-Provisional Application" mailed August 14, 2000. The documents required by this Notice of Incomplete Non-provisional Application were resubmitted to the Patent Office on August 16, 2000, in response to a postcard filed on June 14, 2000 received from the USPTO with the stamp and hand written note "The PTO did not receive the following listed item(s) Specification 27 pages and Assignment"

The following documents are enclosed herewith:

03/07/2001 MBERHE 00000054 09593566
01 FC:122 130.00 OP

1. A copy of the Express mail deposit dated June 14, 2000, indicating that the Specification, Drawings, Declaration, and Assignment were filed on June 14, 2000.
2. A copy of the postcard dated June 14, 2000, and with the above noted stamp and hand written note.

3. A copy of the Specification (27 pages) as filed on June 14, 2000.

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4. Copies of six drawings (7 pages) as filed on June 14, 2000.

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5. A copy of the NOTICE OF INCOMPLETE NONPROVISIONAL APPLICATION, referred to as "part two, copy to be returned with response", and mailed by the USPTO on August 14, 2000.

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In support of the curing of any defect in the filing by the mailing of August 16, 2000, the following additional copies of filed papers are enclosed.

6. EXPRESS MAIL DEPOSIT paper dated August 16, 2000, showing U. S. Post Office Mail Receipt EL056 746 252. This paper indicates that on August 16, 2000, the following were filed with the USPTO:

A. Copy of Postcard dated June 14, 2000

B. Assignment and stamped recordation cover sheet

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OFFICE OF PETITIONS

C. Specification (27 pages)

D. 6 Drawings (7 pages)

E. Response to Note on Postcard and Response to Notice of Non-
Recordation of Document

7. Copy of U. S. Post Office Express Mail Receipt EL056 746 252 showing
deposit on August 16, 2000, by the Official U. S. Post Office stamp.

8. Copy of postcard mailed to USPTO on August 16, 2000, showing mailing of
the documents mentioned on the EXPRESS MAIL DEPOSIT paper
mentioned in item six (6) above. Applicant has apparently not received the
return postcard from the USPTO.

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OFFICE OF PETITIONS

REMARKS

Applicant respectfully urges that all defects mentioned in the NOTICE OF
INCOMPLETE NONPROVISIONAL APPLICATION mailed August 14, 2000, were
cured by the filing on August 16, 2000.

Further, Applicant respectfully urges that the filing date of June 14, 2000, be
awarded to the above captioned U. S. Patent Application, as all requirements of 35 USC §
21, and of the rules at 35 CFR 1.8 have been met, as shown by the EXPRESS MAIL
DEPOSIT dated June 14, 2000, and the returned postcard showing receipt by the USPTO

of the June 14, 2000, package; and also the U. S. Post Office Express Mail Receipt dated August 16, 2000, the EXPRESS MAIL DEPOSIT paper filed August 16, 2000, and the substitute Specification and Drawings filed on August 16, 2000.

A substitute copy of the Assignment, along with a Recordation Cover Sheet is enclosed for recording, along with a check in the amount of \$ 40.00 to cover the recordation fee.

A check in the amount of \$ 130.00 for the petition fee is enclosed herewith.

Applicant respectfully requests a refund of the petition fee as Applicant has shown that the Specification and Drawings were properly filed with the USPTO on June 14, 2000. Perhaps the Specification and Drawings were misplaced by the USPTO.

RELIEF

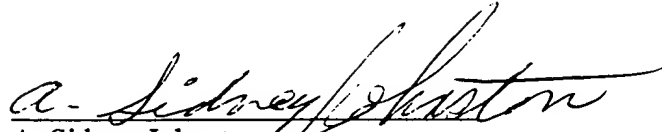
Applicant respectfully requests that a filing date of June 14, 2000 be assigned to the above captioned U.S. Patent Application.

If the June 14, 2000 date cannot be assigned for any reason, applicant respectfully requests that a filing date of August 16, 2000 be assigned, on the basis of the substitute specification and drawings filed on August 16, 2000.

Please charge any additional fee occasioned by this paper, or credit any refund, to our Deposit Account No. 03-1237.

PATENTS
112025-0195

Respectfully submitted,



A. Sidney Johnston
Reg. No. 29,548
CESARI AND MCKENNA, LLP
88 Black Falcon Avenue
Boston, MA 02210-2414
617 951-2500

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PATENTS
112025-0195

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:
Thomas J. Edsall et al.

Serial No.: 09/593,566

Filed: June 14, 2000

For: MULTIPLE PACKET PATHS TO
IMPROVE RELIABILITY IN AN IP
NETWORK

Examiner: Not Yet Assigned

Art Unit: Not Yet Assigned

Cesari and McKenna, LLP
88 Black Falcon Avenue
Boston, MA 02210
November 6, 2000

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JUL 3 0 2001

EXPRESS-MAIL DEPOSIT

OFFICE OF PETITIONS

"Express Mail" Mailing-Label Number: EL705 755 585 US

The following papers are being deposited with the United States Postal Service

"Express Mail Post Office to Addressee" service pursuant to 37 C.F.R. §1.10:

| | |
|---|---|
| <u>X</u> Copy of the Patent Application filed 6/14/00 (27 pages including 13 claims) | <u>X</u> Copy of Assignment filed 6/14/00 |
| <u>X</u> Fee Transmittal Letter | With Recordation Form Cover Sheet |
| <u>X</u> Copy of Formal Drawing filed 6/14/00 (7 sheets) | <u>X</u> Check No. <u>2125</u> for \$130.00 |
| <u>X</u> Petition to the Commissioner | <u>X</u> Check for \$40.00 to cover recordation fee |
| <u>X</u> Copy of Express mail deposit dated 6/14/00 | <u>X</u> Copy of postcard dated 6/14/00 |
| <u>X</u> Copy of the NOTICE OF INCOMPLETE NONPROVISIONAL APPLICATION, mailed by USPTO 8/14/00 | <u>X</u> Express mail deposit dated 8/16/00, showing mail receipt EL056 746 252 |
| <u>X</u> Copy of U.S. Post Office Express Mail Receipt EL056 746 252 | <u>X</u> Copy of postcard mailed to USPTO 8/16/00 |



PATENTS
112025-0195

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
MAR 12 2001
OFFICE OF PETITIONS

In Re The Application of:
Thomas J. Edsall et al.

Serial No.: Not Yet Assigned

Filed: <FilingDate>

For: MULTIPLE PACKET PATHS TO
IMPROVE RELIABILITY IN AN IP
NETWORK

Examiner: Not Yet Assigned

Art Unit: Not Yet Assigned

Cesari and McKenna, LLP
30 Rowes Wharf
Boston, MA 02110
June 14, 2000

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JUL 30 2001
OFFICE OF PETITIONS

EXPRESS-MAIL DEPOSIT

"Express Mail" Mailing-Label Number: EL056746116US

The following papers are being deposited with the United States Postal Service

"Express Mail Post Office to Addressee" service pursuant to 37 C.F.R. §1.10:

X Patent Application (27 pages including 13 claims)

X Oath or Declaration

X Check No. for \$690

X Check in the amount of \$40.00 for
Assignment Fee

X Fee Transmittal Letter

X Letter to Official Draftsman

X Post Card

X Assignment and Recordation Sheet

Item #1

Date Due: 6/14/00
Date Mailed: 6/14/00
Date Filed: <

Inventor(s): Thomas J. Edsall et al.

Title: MULTIPLE PACKET PATHS TO IMPROVE RELIABILITY IN AN IP NETWORK

Honorable Commissioner of Patents and Trademarks: We are forwarding herewith:

☒ Patent Application (27 pages including 13 claims)

☒ Oath or Declaration

☒ Assignment With Recordation Form Cover Sheet

☒ Check No. for \$690

☒ Express Label No. EL056746116US

File No.: 112025-0195

Serial No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

☒ Fee Transmittal Letter

☒ Formal Drawing (7 sheets)

☒ Letter to Official Draftsman

☒ Check in the amount of \$40 for Assignment Fee

Kindly have the mail room stamp this card and return it to us so that we may know that the above mentioned papers were duly received.

Initials: ss

With Express Certificates of Mailing

CESAR Land-McKENNA, ET P

The PTO did not receive the following listed item(s) Specification 27

pages and Assignment

ITEM #2

JCS20 U.S. PTO
09/593566
06/14/00

JUL 0 2000

FORMALITIES LETTER



OC00000005321702



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address: COMMISSIONER OF PATENT AND TRADEMARKS
Washington, D.C. 20231

| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 09/593,566 | 06/14/2000 | Thomas J. Edsall | 112025-0195 |

A Sidney Johnston
Cesari and McKenna
30 Rowes Wharf
Boston, MA 02110

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OFFICE OF PETITIONS

Date Mailed: 08/14/2000



NOTICE OF INCOMPLETE NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

A filing date has NOT been accorded to the above-identified application papers for the reason(s) indicated below.

All of the items noted below and a newly executed oath or declaration covering the items must be submitted within **TWO MONTHS** of the date of this Notice, unless otherwise indicated, or proceedings on the application will be terminated (37 CFR 1.53(e)).

The filing date will be the date of receipt of all items required below, unless otherwise indicated. Any assertions that the item(s) required below were submitted, or are not necessary for a filing date, must be by way of petition directed to the attention of the Office of Petitions accompanied by the \$130.00 petition fee (37 CFR 1.17(i)). If the petition states that the application is entitled to a filing date, a request for a refund of the petition fee may be included in the petition.

- The specification is missing.
- The specification does not include at least one claim.
A complete specification including at least one claim as prescribed by 35 U.S.C. 112 is required.

A copy of this notice **MUST** be returned with the reply.

Paula Britton
Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

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OFFICE OF PETITIONS

ITEM # 5



PATENTS
112025-0195

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:
Thomas J. Edsall et al.

Serial No.: 09/593,566

Filed: June 14, 2000

For: MULTIPLE PACKET PATHS TO
IMPROVE RELIABILITY IN AN IP
NETWORK

Examiner: Not Yet Assigned

Art Unit: Not Yet Assigned

Cesari and McKenna, LLP
88 Black Falcon Avenue
Boston, MA 02210
August 16, 2000

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EXPRESS-MAIL DEPOSIT

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"Express Mail" Mailing-Label Number: EL056746252US

The following paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 C.F.R. §1.10:

- ☒ Copy of postcard dated June 14, 2000
- ☒ Assignment and stamped recordation cover sheet
- ☒ Specification (27 pages)
- ☒ 6 Drawings (7 pages)
- ☒ Response to Note on Postcard and Response to Notice of Non-Recordation of Document

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Item #6



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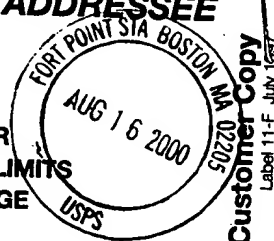
OFFICE OF PETITIONS

E1056746252US



E1056746252US

POST OFFICE TO ADDRESSEE

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ON INSURANCE COVERAGECustomer Copy
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| ORIGIN (POSTAL USE ONLY) | |
|--|---|
| PO ZIP Code 02205 | Day of Delivery <input checked="" type="checkbox"/> Next <input type="checkbox"/> Second |
| Date In 8/16/00 | Postage \$ 15.75 |
| Mo Day Year | <input type="checkbox"/> 12 Noon <input type="checkbox"/> 3 PM |
| Time In 6:00 PM | Return Receipt Fee |
| <input type="checkbox"/> 12 Noon <input type="checkbox"/> 3 PM | <input type="checkbox"/> 2nd Day <input type="checkbox"/> 3rd Day |
| Weight 9.1 lbs. | Int'l Alpha Country Code |
| No Delivery <input type="checkbox"/> Weekend <input type="checkbox"/> Holiday | Acceptance Clerk Initials |
| | GOD Fee Insurance Fee |
| | Total Postage & Fees \$ 15.75 |

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Federal Agency Acct. No. or
Postal Service Acct. No.☐ WAIVER OF SIGNATURE (Domestic Only): Additional merchandise insurance is void if waiver of signature is requested. I wish delivery to be made without obtaining signature of addressee or addressee's agent (if delivery employee judges that article can be left in secure location) and I authorize that delivery employee's signature constitutes valid proof of delivery.

NO DELIVERY

☐ Weekend ☐ Holiday

Customer Signature

FROM: (PLEASE PRINT)

PHONE 617 951-2500

11202 5-0195
A. Sidney Johnston
CESARI & MCKENNA
30 ROWES WHARF 5TH FLOOR
BOSTON MA 02110-3326

TO: (PLEASE PRINT)

PHONE

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ASST. COMMISSIONER
FOR PATENTS
WASHINGTON DC 20231-0000

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ITEM # 7

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JUL 30 2001

OFFICE OF PETITIONS

Date Due: 8/16/00

Mailed: 8/16/00

Filed: 6/14/00

No.: 112025-0195

No.: 09/593,566

Group Art Unit: Not Yet Assigned

Inventor(s): Thomas J. Edsall et al.

Title: MULTIPLE PACKET PATHS TO IMPROVE RELIABILITY IN AN IP NETWORK

Honorable Commissioner of Patents and Trademarks: We are forwarding herewith:

Kindly have the mail room stamp this card and return it to us so that we may know that the above mentioned papers were duly received.

Initials: ss

CESARI and McKENNA, LLP

- ☒ Copy of postcard dated June 14, 2000
- ☒ Assignment and stamped recordation cover sheet
- ☒ Specification (27 pages)
- ☒ 6 Drawings (7 pages)
- ☒ Response to Note on Postcard and Response to Notice of Non-Recordation of Document
- ☒ Express Mail Label #EL056746252US

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With Express Certificates of Mailing

OFFICE OF PETITIONS

ITEM #8



PATENTS
112025-0195

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
APR 11 2001
Technology Center 2600

In Re The Application of:)
Thomas J. Edsall et al.)
Serial No.: 09/593,566)
Filed: August 16, 2000)
For: MULTIPLE PACKET PATHS TO)
IMPROVE RELIABILITY IN AN IP)
NETWORK)

Examiner: Not Yet Assigned

Art Unit: 2661

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MAR 12 2001

OFFICE OF PETITIONS

Cesari and McKenna, LLP
88 Black Falcon Avenue
Boston, MA 02210
March 1, 2001

EXPRESS-MAIL DEPOSIT

"Express Mail" Mailing-Label Number: EL 605 362 060 US

The following papers are being deposited with the United States Postal Service
"Express Mail Post Office to Addressee" service pursuant to 37 C.F.R. §1.10:

☒ Oath or Declaration
☒ Assignment With Recordation Form
Cover Sheet
☒ Petition One Month of Extended Time
☒ Check No. 21948 for \$110.00
☒ Return post card
☒ Petition to Commissioner and attach-
ments filed November 6, 2000

☒ Fee Transmittal Letter
☒ Check No. 3867 for \$40.00
☒ Check No. 21945 for \$130.00
☒ Second Petition to the Commissioner
Under 37 C.F.R. 1.181

X Notice of Incomplete Reply



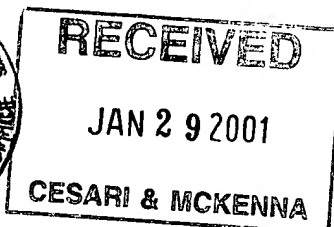
11 2025-0195
 Response 2/5/01
 Notice of Incomplete Reply

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
 www.uspto.gov

| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 09/593,566 | 08/16/2000 | Thomas J. Edsall | 112025-0195 |

A Sidney Johnston
 Cesari and McKenna
 30 Rows Wharf
 Boston, MA 02110



FORMALITIES LETTER



OC000000005678382

Date Mailed: 01/15/2001

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MAR 12 2001

NOTICE OF INCOMPLETE REPLY (NONPROVISIONAL)

Filing Date Granted

OFFICE OF PETITIONS

The U.S. Patent and Trademark Office has received your reply on 12/29/2000 to the Notice to File Missing Parts (Notice) mailed 12/05/2000 and it has been entered into the nonprovisional application. The reply, however, does not include the following items required in the Notice.

The period of reply remains as set forth in the Notice. You may, however, obtain EXTENSIONS OF TIME under the provisions of 37 CFR 1.136 (a) accompanied by the appropriate fee (37 CFR 1.17(a)).

A complete reply must be timely filed to prevent ABANDONMENT of the above-identified application.

- The oath or declaration is missing.

A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

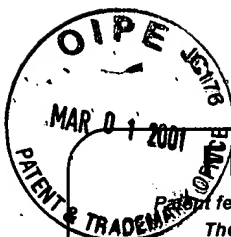
A copy of this notice MUST be returned with the reply.

Paula Br...

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

RECEIVED
APR 11 2001

FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT

(\$)
280

Complete If Known

Application Number 09/593,566

Filing Date August 16, 2000

First Named Inventor Thomas J. Edsall et al.

Examiner Name Not Yet Assigned

Group / Art Unit 2661

Attorney Docket No. 112025-0195

OFFICE OF PETITIONS

METHOD OF PAYMENT (check one)

- 1.
- ☐
- The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit
Account
Number

03-1237

Deposit
Account
Name

Cesari and McKenna, LLP

- ☒
- Charge Any Additional Fee Required Under 37 C.F.R. §§1.16 and 1.17
- ☐
- Charge the Issue Fee Set in 37 C.F.R. §§1.18 at the Mailing of the Notice of Allowance

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 101 | 710 | 201 | 35 | Utility filing fee | |
| 106 | 320 | 206 | 160 | Design filing fee | |
| 107 | 490 | 207 | 245 | Plant filing fee | |
| 108 | 710 | 208 | 355 | Reissue filing fee | |
| 114 | 150 | 214 | 75 | Provisional filing fee | |
| SUBTOTAL (1) | | | | (\$) | 0 |

2. EXTRA CLAIM FEES

| | | Extra Claims | Fee from below | Fee Paid |
|--------------------|--|--------------|----------------|----------|
| Total Claims | | 20** | = 0 x | = 0 |
| Independent Claims | | 3** | = 0 x | = 0 |
| Multiple Dependent | | | = | 0 |

**or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

| Large Entity | | Small Entity | | Fee Description |
|--------------|----------|--------------|----------|---|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 103 | 18 | 203 | 9 | Claims in excess of 20 |
| 102 | 80 | 202 | 40 | Independent claims in excess of 3 |
| 104 | 270 | 204 | 135 | Multiple dependent claim, if not paid |
| 109 | 80 | 209 | 40 | **Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$)
0

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|---------------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 105 | 130 | 205 | 65 | Fee Surcharge - late filing fee or oath | |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 | 130 | 139 | 130 | Non-English Specification | |
| 147 | 2,520 | 147 | 2,520 | For filing a request for reexamination | |
| 112 | 920 | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840 | 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 | Extension for reply within first month | 110 |
| 116 | 390 | 216 | 195 | Extension for reply within second month | |
| 117 | 890 | 217 | 445 | Extension for reply within third month | |
| 118 | 1,390 | 218 | 695 | Extension for reply within fourth month | |
| 128 | 1,890 | 128 | 945 | Extension for reply within fifth month | |
| 119 | 310 | 219 | 155 | Notice of Appeal | |
| 120 | 310 | 220 | 155 | Filing a brief in support of an appeal | |
| 121 | 270 | 221 | 135 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,240 | 241 | 620 | Petition to revive - unintentional | |
| 142 | 1,240 | 242 | 620 | Utility Issue fee (or reissue) | |
| 143 | 440 | 243 | 220 | Design Issue fee | |
| 144 | 600 | 244 | 300 | Plant Issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | 130 |
| 123 | 50 | 123 | 50 | Petitions related to provisional applications | |
| 126 | 240 | 126 | 240 | Submission of Information Disclosure Stmt | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | 40 |
| 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 149 | 710 | 249 | 355 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| Other (specify) | | | | | |
| Other fee (specify) | | | | | |
| SUBTOTAL (3) | | | | (\$) | 280 |

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

Typed or
Printed Name

A. Sidney Johnston

Signature

Date

March 1, 2001

Complete (if applicable)

Reg. Number

29,548

Deposit Account User ID